

Material Safety Data Sheet**Product: HEAVY - DUTY CLEANER**

Manufacturer:

AQUA MIX INC.

9419 ANN STREET

SANTA FE SPRINGS, CA 90670

☎ Information Phone: 800-366-6877

24-HR. CHEMICAL EMERGENCIES**SPILL, LEAK, and FIRE EXPOSURES****CHEMTREC: 800-424-9300****SECTION I – PRODUCT IDENTITY****Trade Name:** Heavy-Duty Cleaner**DOT Information:****UN Number:**

1719 (See Note: 6)

Classification:

Class 8, Corrosive

Proper Shipping Name:Caustic Alkali Liquid, NOS
(Sodium Hydroxide < 4.5%)**Hazard Rating:****Packaging Group:**

III

TOXICITY – 3

FIRE – 0

REACTIVITY – 1

PERSONAL PROTECTION - D

4 – Extreme 3 – High 2 – Moderate 1 – Slight 0 – Insignificant

** These values are obtained using the guidelines from the National Fire Protection Association or the National Paint and Coating Association

SECTION II – HAZARDOUS INGREDIENTS**Sodium Hydroxide** < 4.5% (See Note: 1)**CAS #:** 1310-73-2**Common names:** Caustic Soda**Exposure Limits:****OSHA PEL:**2mg/m³**ACGIH TLV:**2mg/m³**Glycol Ether (EGMBE)** < 2.5% (See Note: 1, 2, 3, 4, 5)**CAS #:** 111-76-2**Common name:** Ethylene Glycol Monobutyl Ether; 2-Butoxyethanol; Butyl Oxitol; Butyl Cellosolve**Exposure Limits:****OSHA PEL:**50 ppm: 240 mg/m³: skin**ACGIH TLV:**25 ppm: 121 mg/m³: skin**SECTION III – PHYSICAL & CHEMICAL DATA****Boiling Point:**

212°F /100°C

Melting Point:

Not Applicable

Vapor Pressure (mmHg):

30mm

Solubility in H₂O:

Complete

Specific Gravity (H₂O = 1):

1.03

Evaporation Rate:

< 1

pH:

13.5

Vapor Density:

Not Applicable

Appearance & Odor:Clear, orange liquid with acrid
detergent odor.**VOC (g/L):**

25

SECTION IV – FIRE & EXPLOSION DATA**Flash Point:**

>212°F

Open/Closed:

Not Applicable

Flammable Limits:**LEL:** Undetermined**UEL:** Undetermined**Fire extinguishing materials:**

Use appropriate agent for surrounding materials.

Special fire fighting procedures:

None

Unusual fire and explosion hazards:

None

SECTION V – REACTIVITY DATA**Stability:**

Stable

Incompatibility (Materials to avoid):

Acids

Hazardous byproducts of decomposition/combustion:

None

Hazardous polymerization:

Will not occur

SECTION VI – HEALTH HAZARD DATARoutes of Exposure & Effects**Skin:**

Brief contact will dry the skin. Prolonged or repeated contact will cause irritation, redness, drying.

Eye:

Liquid and mists will irritate the eyes and may cause tearing or burning.

Ingestion:

Ingestion may cause burning of throat and irritation of the digestive tract.

Inhalation:

Vapors or mists can irritate nose and throat. Inhalation of high concentrations may cause nausea or dizziness.

Acute & Chronic Overexposure Effects**Acute:**

May cause mild to moderate irritation to eyes, skin, and respiratory tract or burning of mucous membranes.

Chronic:

Undetermined.

Medical Conditions Generally Aggravated by Exposure:

None Known

Toxicity Data:

No components listed as carcinogenic with: IARC/M or NTP

Sodium hydroxide and glycol ether (EGMBE) are on the OSHA Subpart Z lists.

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Prepared by: S. Crast

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SECTION VI – HEALTH HAZARD DATA - Continued

**EMERGENCY & FIRST AID PROCEDURES:**

EYES: Immediately flush eyes with copious amounts of water. Seek medical attention.
SKIN: Wash with vinegar & water to neutralize. If irritation persists seek medical attention.
INHALED: Relocate to fresh air. If irritation persists seek medical attention.
INGESTION: **DO NOT INDUCE VOMITING!** Drink 1 or 2 glasses of water. If spontaneous vomiting is inevitable, prevent aspiration by keeping the victim's head below knees. Seek immediate medical attention.

SECTION VII – PERSONAL PROTECTION

Ventilation & Exhaust: No special requirements.
Respiratory Protection: If spraying, wear NIOSH approved high-efficiency respirator rated for mists, dusts, and particulates.
Eye Protection: Wear goggles or safety glasses with face shield.
Gloves: Wear rubber, latex or nitrile gloves.
Other Clothing or Equipment: Use as necessary to prevent skin contact; rubber boots, impermeable apron or coveralls. Do not allow clothing to become soaked with material.
Work/Hygienic Practice: Normal safe work practices should be exercised when using this product, including washing hands or affected areas and removal of affected clothing.

SECTION VIII – SAFE HANDLING & USE

Storage & Handling: Store in a cool, dry location away from acids.
Spills or leaks: Soak up with compatible absorbent material (sand, clay litter, diatomaceous earth).
Waste Disposal: Dispose materials in accordance with all applicable local, state and federal regulations.

SECTION IX – OTHER INFORMATION

The aforementioned is believed to be correct as of the date hereof; however, no warranty is made, express or implied, regarding the accuracy of this document, since the information contained herein may be applied under conditions beyond our control and under conditions with which we may be unfamiliar. Since data made available subsequent to the date hereof may suggest modification of the information, recipients are advised to determine in advance the suitability of the material for their precise purposes and on the condition that they assume the risk of use thereof.

Notes (Not intended to be all inclusive):

- Note 1: This chemical may be subject to the reporting requirements of Section 313 of SARA TITLE III.
Note 2: Ingredient on Massachusetts Hazardous Substance & Extraordinarily Hazardous Substances List.
Note 3: Ingredient on the Pennsylvania Hazardous Substance and Special Hazardous Substances Lists.
Note 4: This chemical may be subject to the provisions of WHMIS in Canada.
Note 5: This chemical may be absorbed through the skin, eyes, or mucous membranes contributing to overall exposure.
Note 6: Also, ORM-D; quantity limit restrictions.

Abbreviations (if used):

OSHA Occupational Safety and Health Administration
PEL Permissible Exposure Limits
ACGIH American Conference of Governmental Industrial Hygienists
TLV Threshold Limit Value
NTP National Toxicology Program
IARC Int'l Agency for Research on Cancer Monographs
WHMIS Workplace Hazardous Material Information System

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